

AIM Ann Report  
1884 to 1885

REPORT

OF THE

\*AUCKLAND\*INSTITUTE\*

AND

MUSEUM

For 1884-85

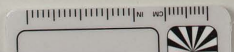
ADOPTED AT THE ANNUAL MEETING, HELD ON FEBRUARY 16th, 1885.

Auckland:

H. BRETT, GENERAL PRINTER, SHORTLAND ST.

MDCCLXXXV.

AIM Ann Report  
1884 to 1885



AIM Ann Report  
1884 to 1885

REPORT  
OF THE  
\*AUCKLAND\* INSTITUTE\*

AND



For 1884-85.

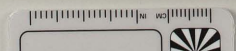
ADOPTED AT THE ANNUAL MEETING, HELD ON FEBRUARY 16th, 1885.

**Auckland:**

H. BRETT, GENERAL PRINTER, SHORTLAND AND FORT STREETS.

MDCCLXXXV.

AIM Ann Report  
1884 to 1885



OFFICERS  
OF THE  
AUCKLAND INSTITUTE.

---

PRESIDENT :

J. A. POND, Esq.

VICE-PRESIDENTS :

H. G. SETH SMITH, Esq.

| Rt. Rev. W. G. COWIE, D.D.

COUNCIL :

AICKIN, G., Esq.

MOORE, J. M., Esq., M.D.

BROWN, Prof. F. D., B.Sc.

PEACOCK, T., Esq., M.H.R.

HAULTAIN, Hon. Col.

PURCHAS, Rev. A. G., M.R.C.S.E

MACKECHNIE, E. A., Esq.

SMITH, S. P., Esq., F.R.G.S.

MARTIN, J., Esq., F.G.S.

STEEL, T., Esq.

THOMAS, Prof. A. P., F.L.S.

SECRETARY AND TREASURER :

T. F. CHEESEMAN, Esq., F.L.S., F.Z.S.

AUDITOR :

T. MACFFARLANE, Esq.

# AIM Ann Report

## 1884 to 1885

THE FOLLOWING MAGAZINES AND PERIODICALS ARE CIRCULATED AMONGST  
THE MEMBERS :—

Quarterly Journal of Microscopical Science

Journal of Science

Popular Science Review

The Ibis.

Nature

Geological Magazine

Lancet

Scientific American

The Academy

Knowledge

Botanical Magazine

Gardeners' Chronicle

Chemical News

Engineering

Science Gossip

Electrical and Telegraphic Review

Journal of the Society of Arts

Annals and Magazine of Natural History

New Zealand Journal of Science



REPORT.

**I**N conformity with the rules, the Council have now to submit for the consideration of the members a Report on the present condition of the Institute, and its progress during the past year.

*Members.*—Twenty-three new members have been elected since the last annual meeting. This number compares favourably with that of the previous year, during which the elections were only 12. The losses have been, by death, 7; by resignation, 9; and by non-payment of subscription for two successive years, 7; making 23 in all. The number on the register at the present time, 304, is thus the same as at the commencement of the year. It is pleasing to state that the Institute still retains its place at the head of the affiliated societies, so far as regards the number of its membership.

*Finance.*—From the Treasurer's balance sheet, which is appended to this report, it will be seen that the total revenue paid into the general account (excluding a sum of £2,500 transferred from the Costley Fund), has been £687 1s. 6d., as against £422 9s. 3d. received during 1883-84. The members' subscriptions have yielded £297 3s., an amount slightly in excess of that to hand during the previous twelve months. The total expenditure has been £708 16s. 4d., leaving a balance of £21 14s. 10d. due to the Bank of New Zealand.

*Costley Bequest.*—Full particulars respecting this welcome addition to the funds of the Institute were given in last year's report. The Council have now to state that the executors have paid the sum of £12,016 1s. 10d. to the three gentlemen appointed to receive the bequest on behalf of the Institute. This amount has been disposed of in the following manner :—£7,000 have been invested in mortgage on good freehold security; £473 have been expended in the erection of new fittings in the Museum, as detailed elsewhere; and £2,500 have been applied to the purchase of the freehold property adjoining the Museum, with the view of providing for its future enlargement. The Council feel sure that this purchase will have the general approval of the members. The balance of slightly over £2,000 is now waiting suitable investment.

*Museum Endowment.*—Small portions of the landed endowment of the Museum have been sold by the Waste Lands Board; and it is

# AIM Ann Report

## 1884 to 1885

understood that other sales will be made from time to time as opportunities occur. The amount realised is £899 18s. 2d. This sum has been lately paid to the three trustees appointed under the "Auckland Museum Endowment Act," and will be invested by them at an early date.

*Meetings.*—Six meetings have been held during the session. The following is a full list of the papers read.

1. Inaugural Address—By the President (H. G. SETH SMITH, Esq.)
2. Notes on a bird called Malau—By the Rev. S. W. BAKER.
3. A decade of new *Feroniidae*—By Capt. T. BROWN.
4. New species of *Pselaphidae*—By Capt. T. BROWN.
5. The Curse of Charity—By E. A. MACKECHNIE.
6. Observations on Geyser Eruptions and Terrace Formations, Part I.—By J. MARTIN.
7. Description of Mayor Island, Bay of Plenty—By E. C. GOLDSMITH.
8. Buddhism, and its Evolution Theories, Part I.—By J. MURRAY MOORE, M.D.
9. Geyser Eruptions and Terrace Formations, Part II.—by J. MARTIN, F.G.S.
10. New Species of *Seydmanidae*—By Capt. T. BROWN.
11. Some new Species of Plants—By T. F. Cheeseman, F.L.S.
12. Remarks on specimens from the Naples Zoological Station—By Prof. A. P. THOMAS, F.L.S.
13. Buddhism and its Evolution Theories :—Part II.—By J. MURRAY MOORE, M.D.
14. On the Botany of Te Aroha Mountain — By J. ADAMS, B.A.
15. A Successful Litigant—By E. A. MACKECHNIE.
16. Remarks on Mr. Caldwell's Researches on the development of the lower Mammals of Australia—By Prof. A. P. THOMAS, F.L.S.
17. New Species of Spiders—By A. T. URQUHART.
18. Notes on the Fertilisation of certain New Zealand Plants—By T. L. CHEESEMAN, F.L.S.
19. On Re-naming New Zealand—By W. H. BLYTH, communicated by W. D. CAMPBELL, F.G.S.
20. On the Establishment of a Grand Hotel and Sanatorium at Rotorua—By JAS. STEWART, C.E.



The above papers have been transmitted to the Manager of the New Zealand Institute at Wellington, and most of them will be printed in the next volume of "Transactions."

*Museum.*—The number of visitors to the Museum continues to increase, and considerable general interest is evinced in its progress. Since Nov. 30th the building has been opened to the public on Sunday afternoons. The attendance has been satisfactory, varying from 100 to 400, and proves that there are many who appreciate this opportunity of inspecting the collections.

The want of suitable show-cases has been for many years an obstacle to the progress of the Museum, and has seriously interfered with the growth of the collections. The Council are glad to report that this difficulty has been to a considerable extent removed. Early in the year it was decided to apply a small portion of the capital sum of the Costley bequest to this purpose, and excellent cases, of uniform plan, have been erected throughout the Museum, with the exception of that portion temporarily occupied by the Art Collections, which will be dealt with on the completion of the Art Gallery. Accommodation has also been provided for the storage of duplicates, specimens reserved for exchanges, etc. The public were necessarily excluded for a lengthened period during the carrying out of the work, the building being re-opened by a conversazione of the members and their friends, held on November 21st, and which passed off very pleasantly.

In the report for last year it was mentioned that arrangements had been made for the employment of a permanent taxidermist. Unfortunately the workman selected died before assuming the duties of the office, and considerable delay ensued. The Council have to acknowledge the services of Prof. H. A. Ward, of Rochester, U.S.A., in selecting a competent workman, who has lately arrived in Auckland.

A complete list of all additions and donations, many of which are of special interest, will be found appended to the report. With the facilities afforded by better accommodation and increased revenue, the Council trust to gradually render as complete as possible the collections illustrating the natural history of the colony, believing that this should be the chief aim of a local Museum. At the same time, it is hoped that progress will be made in forming such small type collections as may be necessary to give to the student or intelligent visitor a correct idea of the main facts connected with the structure and classification of the component parts of the various kingdoms of nature.

*Art Collections.*—The thanks of the citizens of Auckland are again due to Mr. J. T. Mackelvie for an important addition to the already extensive list of works of Art presented by him to the city. The collection received contains three oil paintings by Hemsley,

# AIM Ann Report

## 1884 to 1885

Gilardi, and Constantini ; 27 framed water-colour drawings, mostly by the late A. P. Newton and H. B. Willis ; and a portfolio of water-colour and pencil sketches by good masters. As is the case with all Mr. Mackelvie's Art gifts, these are deposited in the Museum on the understanding that it shall be in the power of the donor to withdraw them whenever a building more especially devoted to Art shall have been erected in Auckland.

Mention should also be made of an excellent life-size photograph of Tawhaio, presented to the Museum by Mr. G. Graham.

The Free School of Art has been kept up as usual during the year, with a fair attendance of students. The expenses of the school are still altogether borne by Dr. Campbell.

*Library.*—A grant of £41 has been paid by the Government during the year, under the provisions of the "Public Libraries' Subsidies Act." This has been expended in the purchase of standard scientific works, a list of which is appended. The usual exchanges and contributions from foreign Societies have also been received, together with several miscellaneous donations, amongst which is an interesting and valuable addition presented by Mr. H. Shaw. The importance of extending the library and of rendering it more useful to students and scientific workers is fully recognised by the Council, and it is hoped that arrangements may soon be made under which a fixed sum may be yearly applied to the purchase of books.

*Conclusion.*—In concluding the report, the Council wish to tender the thanks of the Institute to Messrs. W. K. Graham & Co. and Mr. H. Craig for their kind services as agents of the Institute in London and San Francisco. They also desire to recognise the liberality of the Pacific Mail Steamship Co., the New Zealand Shipping Co., Messrs. Shaw, Saville & Co., and other establishments, in conveying freight free all packages intended for the Museum.

The Treasurer in Account with the Auckland Institute.

Dr.

FEBRUARY 20, 1884, TO FEBRUARY 10, 1885.

Cr.

	£	s.	d.		£	s.	d.
Entrance Fees and Subscriptions ... ..	297	3	0	Balance due Bank of New Zealand, Feb. 20, 1885 ...	50	1	3
Rents... ..	65	4	4	Books and Periodicals ... ..	70	9	10
Receipts from Investments—Costley Fund ... ..	245	0	0	Additions to Museum, Fittings, Furniture, etc. ...	99	6	6
Grant to Library ... ..	41	1	8	Museum Requisites, Stationery, Printing, Advertis-			
Old Fittings sold and miscellaneous Receipts ... ..	38	12	6	ing, Postage, Gas, Insurance... ..	86	1	3
Transferred from Costley Fund ... ..	2,500	0	0	Curator ... ..	250	0	0
Balance due Bank of New Zealand, Feb. 10, 1885 ...	21	14	10	Janitor, Cleaning and Attendance ... ..	73	3	4
				Expenses of Conversazione ... ..	28	10	6
				Life Subscription transferred to Investment Fund ...	10	10	0
				Purchase of Freehold Property ... ..	2,500	0	0
				Miscellaneous Payments, Interest on overdraft, etc.	40	13	8
	£3,208	16	4		£3,208	16	4

## Investment Fund Account.

	£	s.	d.		£	s.	d.		
Cash in Auckland Savings' Bank, Feb. 20, 1884	...	72	19	7	Cash in Auckland Savings' Bank, Feb. 10, 1885	...	98	0	9
Life Subscriptions	...	21	0	0					
Interest to December 31, 1884	...	4	1	2					
		£98	0	9			£98	0	9

I have examined the above account, and have compared the same with the books and vouchers, and have found it to be correctly stated and properly vouched.

Auckland, February 13, 1885.

T. F. CHEESEMAM, Treasurer.

THOS. MACFFARLANE, Auditor.

The Treasurer in Account with the Costley Fund Account.

Dr.	FEBRUARY, 1884, TO FEBRUARY, 1885.		Cr.
	£	s. d.	£ s. d.
Received from Executors of Costley Estate...	12,016	1 10	Invested in Mortgage on Freehold Security ... 7,000 0 0
Interest on Fixed Deposit ... ..	30	0 0	Transferred to General Account ... .. 2,500 0 0
Interest on Investments ... ..	245	0 0	Interest charged by Bank of New Zealand ... .. 11 6 10
			Interest on investments transferred to General Account ... .. 245 0 0
			Show Cases and Fittings in Museum ... .. 473 14 2
			On Deposit ... .. 1,000 0 0
			Cash in Bank of New Zealand, Feb. 10, 1885... 1,061 0 10
	<u>£12,291</u>	<u>1 10</u>	<u>£12,291 1 10</u>

Museum Endowment Account.

	£ s. d.		£ s. d.
Received from Paymaster General ... ..	899 18 2	Cash in Bank of New Zealand, Feb. 10, 1885 ... ..	899 18 2

I have examined the above account, and have compared the same with the books and vouchers, and have found it to be correctly stated and properly vouched.

Auckland, February 13, 1885.

T. F. CHEESEMAN, Treasurer.

THOS. MACFFARLANE, Auditor.

## ADDITIONS AND DONATIONS

TO THE

### LIBRARY AND MUSEUM.

- 
- Colonial Museum and Laboratory Report for 1883; Reports on Geological Explorations, 1883—The Director of the Geological Survey.  
Parliamentary Papers and Reports; New Zealand Hansard for 1884; New Zealand Statutes, 1884; Statistics of New Zealand for 1883—The New Zealand Government.  
Statistics of Tasmania for 1883; Walch's Tasmanian Almanac—The Colonial Secretary, Tasmania.  
Journal of the Royal Society of New South Wales, vols. 16 and 17—The Society.  
Journal of the Linnean Society of New South Wales, parts of vols. 8 and 9—The Society.  
Journal of the Royal Society of South Australia, vols. 5 and 6; Journal of the Agricultural Society of South Australia for 1881-82-83—The Society.  
Proceedings of the Royal Colonial Institute for 1883-84—The Colonial Institute.  
Proceedings of the Royal Geographical Society for 1884—J. T. Mackelvie.  
Bulletin of the Italian Entomological Society—Prof. H. H. Giglioli.  
Proceedings of the American Association for the Advancement of Science for 1882 and 1883; Congressional Directory for 1882; Report of the Public Charities of Pennsylvania for 1881; Smithsonian Report for 1881-82—Received through the Smithsonian Institution, Washington, U.S.A.  
Journal of the Hamilton Association (Canada), vol. 1—The Association.  
Progress Report of the Geological Survey of Canada for 1880-81-82; Macoun's Catalogue of Canadian Plants—The Geological Survey, Canada.  
Narrative of Hall's Second Arctic Expedition; Archæological Survey of Western India, 2 vols.; Waring's Rude Stone Monuments; Life of Audubon; Salamania—H. Shaw.  
Cartularium Saxonicum, parts 1 to 5—W. Gulliver.  
Consular Reports on New Zealand—Consul G. W. Griffin.  
Imperial Parliamentary Papers relating to New Zealand, 2 vols.; Auckland Gazette, 3 vols.—W. Leighton.  
London, Edinburgh and Dublin Philosophical Magazine, vols. 7 to 10—Prof. F. D. Brown.  
Atlas of Japan, and other Publications—Dr. Aoki.  
Fac-simile Letter of the Rt. Hon. W. E. Gladstone—D. L. Murdoch.

#### BOOKS PURCHASED :—

- Zoological Record for 1882.  
Catalogue of the Birds in the British Museum, vols. 7, 8, 9.  
Catalogue of Batrachia Gracientia.  
Dobson's Monograph of the Insectivora.  
Balfour's Comparative Embryology, 2 vols.  
Gegenbaur's Comparative Anatomy.  
Eytton's Osteologia Avium.



# AIM Ann Report 1884 to 1885

12

Tylor's Anthropology.  
Catalogue of Amphipodous Crustacea.  
Cassell's Natural History, vol. 6.  
Watt's Dictionary of Chemistry, third supplementary volume.  
Bain's Mind and Body.  
Vogel's Chemical Effects of Light and Photography.  
Van Beneden's Animal Parasites and Messmates.  
Lockyer's Studies in Spectrum Analysis.  
Blaserna's Sound in Relation to Music.  
Thurston's History of the Steam Engine.  
Bastian's Brain as an Organ of Mind.  
Wurtz's Atomic Theory.  
Rosenthal's Physiology of the Muscles and Nerves.  
Le Conte's Light.  
Morselli's Suicide.  
Vignol's Myth and Science.  
Stallo's Concepts and Theories of Modern Physics.  
Ribot's Diseases of Memory.  
Joly's Man before Metals.  
Amos' Science of Politics.  
Darwin's Fertilisation of Orchids, second edition.  
    " Insectivorous Plants.  
    " Movements and Habits of Climbing Plants.  
    " Cross and Self Fertilisation.  
    " Different Forms of Flowers.  
    " Power of Movement in Plants.  
Muller's Facts and Arguments for Darwin.  
Spon's Encyclopædia of Industrial Arts, 5 vols.  
Green's High Alps of New Zealand.  
Tenison-Wood's Fish and Fisheries of New South Wales.  
Krefft's Snakes of Australia.  
Journal of the Linnean Society of New South Wales, vols. 1, 2, 3.

---

Three Oil Paintings :—The Game of Mora, by Gilardi ; Feeding the Chicks, by Hemsley ; An Interior in Southern Italy, by Constantini. 27 framed Water Colour and Sepia Sketches, by H. B. Willis, A. P. Newton, W. Gosling, and J. Chalon. Portfolio of Sketches by eminent artists—Presented to the Citizens of Auckland by J. T. Mackelvie, Esq.  
Life-size framed Photograph of Tawhiao—Presented by G. Graham, Esq.

---

30 New Zealand Bird Skins—Purchased.  
Skin of Albino Pigeon—L. O'Neill.  
Skin of Spoonbill Duck—J. Brooks.  
Skin of Black Stilt and Striped Rail, Egg of Blue Heron—J. Symons.  
Three Skins of Bell Bird—E. A. Plumley.  
Two Skins of *Sterna frontalis*—F. H. Combes.  
Two Skins of *Procellaria Parkinsonii*—E. Harrow.  
Skin of North Island Weka—J. Muir.  
Leg-bones of *Dinornis* spp.—Dr. Haast.  
Eggs of Pigeon and Kingfisher, Fantail's Nest and Eggs—J. Craig.  
Skin of *Paradisæa Raggiana*—Dr. Bennett, Sydney.  
Skin of *Megapodius Pritchardii*—Rev. S. W. Baker.  
Skin of Canadian Diver—S. Morrin.  
Two Specimens *Scorpana cruenta*—R. C. Barstow.  
Porcupine Fish and Rock Cod—E. A. Plumley.  
Grayling (*Prototroctes*), *Discus aureus*, and other Fishes—W. D. Campbell.  
Ringed Water Snake from Tonga—W. T. Still.  
Tuatara Lizards (*Sphenodon*)—A. T. Vogan.



New Zealand Shells and Echinodermata—J. Kenderdine.  
New Zealand Shells—R. Brown.  
New Zealand Land and Marine Shells; Microscopic Slides of Radulæ of New Zealand Land Shells—Prof. F. W. Hutton.  
New Zealand Shells—T. F. Cheeseman.  
18 Species of New Zealand Crustacea—C. Chilton.  
Fresh-water Cray-fish (*Paranephrops*)—J. Adams.  
Fresh-water Cray-fish—E. B. Dickson.  
Leaf-insects—R. C. Barstow.  
*Hepialus virescens*—A. Wood.  
*Prionoplus reticularis*—F. Williams.  
Glass Models of Invertebrata—Prof. H. A. Ward, Rochester, U.S.A. (exchange).

Section of Mulberry Tree grown in New Zealand—G. B. Federli.  
Dried Specimens of New Zealand Plants—T. F. Cheeseman.  
Vegetable Caterpillars (*Cordyceps Robertsii*)—J. Keys.  
Specimens of Tahitian Timbers—J. Arundel.

Models of Nuggets; Fac-simile Imitations of celebrated Diamonds; Various Minerals—Prof. H. A. Ward, Rochester, U.S.A. (exchange).  
Crystals of Calcite with Iron Pyrites—R. Horne.  
Calcite with Quartz and Gold—Success Gold Mining Company.  
Native Arsenic with Gold—Royal Oak Mine, Coromandel.  
Chalcedony with Water Cavities—J. Crown.  
Chalcedonic Quartz and Jasper—J. Pulford.  
Block of Jasper—W. D. Campbell.  
Block of Sulphur from White Island—D. Mackellar.  
Curious Rolled Stones—J. Burt.  
Encrustations and Leaf Impressions from Roturua—E. B. Dickson.  
Encrustations from Roturua—W. McCullough.  
Fossil Fern—H. Henwood.  
Fossil Shells from Okohu, near Hikurangi—Major Mair.  
New Zealand Rock Specimens—C. Winkelmann.  
Remains of *Nototherium* and other Marsupials—Dr. Bennett, Sydney.  
Rock Specimens from Guadalcanar, Solomon Islands—Rev. D. Ruddock.

Maori Stone Adzes—J. Stephens.  
Maori Carvings—C. Winkelmann.  
Afghan Helmet and Pistol—H. Dobie.  
Silver Coin—R. Moore.  
Indian Coins—W. T. Still.  
Two Silver Coins—J. Smith.  
Silver Coin—R. Black.

# AIM Ann Report 1884 to 1885

## LIST OF MEMBERS,

*For the Year ending March 31, 1885.*

[HONORARY AND LIFE MEMBERS DISTINGUISHED THUS \*]

Adams, J., B.A., Thames  
Aickin, G., Auckland  
Aitken, W.       "  
Aldis, Prof.     "  
Alexander, C.    "  
Alexander, I.    "  
Alexander, J. M., Auckland  
Allwright, H., C.E.   "  
Anderson, H. F.       "  
Anderson, R.       "  
Anderson, W.       "  
Atkin, W., Tamaki  
  
Baber, J., C.E., Remuera  
Bagnall, L. J., Thames  
Baker, Rev. S. W., Auckland  
Ball, T., Onehunga  
Ball, W. T., Auckland  
Banks, J., Auckland  
Barber, H. P., Parnell  
Barstow, R. C., Epsom  
Bartley, E., Devonport  
Bates, Rev. J., Devonport  
Batger, J., Auckland  
Beere, D. M., C.E., Hamilton  
Beetham, A., Henderson  
Berry, W., Auckland  
Black, G., Thames  
Bond, J. H. R., M.D., Auckland  
Bourne, C. F., M.A.       "  
Boylan, J. F., C.E.       "  
Brett, H.        "  
Brigham, J. M.        "  
Brock, A.         "  
Broun, Capt. T., M.E.S., Howick  
Brown, Prof. F. D., Auckland  
Browning, R.        "  
Bruce, Rev. D.        "  
Buchanan, John        "  
Buchanan, J.         "  
Buchanan, W., Devonport  
Buckland, A., Auckland  
Buckland, W. F., Remuera  
Buddle, T., Auckland  
Bull, A., Epsom

Burgess, E. W., Devonport  
\*Burton, Capt., London  
Burton, W., Auckland  
Butt, W. A., Maketu  
  
Cameron, R., Auckland  
Campbell, H.        "  
Campbell, J. L., M.D., Auckland  
Campbell, W. D., F.G.S.   "  
Carr, R. C., Remuera  
Chamberlin, Hon. H., Parnell  
Chambers, J., Auckland  
Champtaloup, E.       "  
Cheal, P. E., Thames  
Cheeseman, T. F., F.L.S., Auckland  
Ching, T., Auckland  
Clark, A., Parnell  
Clark, J. M., Remuera  
Clark, M. A.        "  
Clarke, Ven. Arch. E. B., Waimate  
Coates, J., Auckland  
Cobbett, C. N., M.D., Auckland  
Cochrane, W. S., Auckland  
Coleman, W. C., Parnell  
Combes, F. H., Auckland  
Comiskey, P.        "  
Cooke, C. E.        "  
Coombes, S.         "  
Compton, F. E.       "  
Connell, W. H.       "  
Cooper, C.         "  
Cooper, T.         "  
Cowie, Rt. Rev. W. G., D.D., Bishop  
    of Auckland  
Cranwell, R., Auckland  
Cranwell, T., Parnell  
Cruikshank, D. B., Auckland  
  
Darby, P., Auckland  
Dawson, F. W., M.R.C.S.E., Auckland  
Dignan, Hon. P., Auckland  
Dobson, Miss, Auckland  
Douglas, C., Auckland  
Dowden, W., Auckland

# AIM Ann Report

## 1884 to 1885

Dufaur, E. T., Auckland

Earl, W., Ohaewai

Eastman, H., Kaipara

Edson, J., Devonport

Edgecumbe, F. H., Ngaruawahia

Elam, J., M.R.C.S.E., Tamaki

Elliott, W., Auckland

Errington, W., C.E., Auckland

Ewington, F. G. "

Fairburn, J., Otahuhu

Fallon, D., Auckland

Farmer, J., London

Fenton, F. D., Auckland

Fidler, W. Whangarei

Firth, J. C., Auckland

Fisher, J. "

Fraser, G. "

Gamble, T. T., Auckland

Garland, H. N. "

George, C. S. "

George, S. T., M.H.R., Parnell

Gibbons, E., Onchunga

Gillies, His Hon. Justice, Auckland

Gollie, D., Auckland

Goldsmith, E. C., Tauranga

Goodfellow, W., Otara

Gover, A. H., Remuera

Gorrie, W., Auckland

Grace, L. M., Auckland

Graham, W. K., London

Gray, A., Remuera

Grey, J., Auckland

Grey, C. "

Greenway, J. H.

Gulliver, Rev. E. H., St. John's College.

Haines, C. H., M.D., F.R.G.S., Auckland

Hammond, W. F., Auckland

Hanmer, E. W. "

Hardie, J. "

Harding, S., C.E. "

Harker, N. "

Harrison, E. M. "

Haszard, E. "

Haultain, Hon. Col. "

Hay, J. "

Hean, D. "

Heale, T., Parnell

Heath, N., Napier

Heather, A., Auckland

Henton, J. S. "

Herapath, P. "

Herapath, S. M. "

Hesketh, E. "

Hetley, C. F., Tauranga

Herbert, T., Parnell

Hickson, T. W., Auckland

Hill, W. J., Auckland

Hobart, J. B. "

Hobbs, R., M.H.R., Pokeno

Holdship, G., Auckland

Honeyman, J. H., M.D., Auckland

Horton, A. G. "

Howard, J. "

Hughes, S. E. "

Hunt, R. R. "

Hunter, A. J., C.E. "

Hurst, W. J., M.H.R. "

Jackson, J. H., Patetere

Johnstone, G., Gisborne

Judd, A., Auckland.

Kempt, D., Auckland

Kenny, N., Thames

Kidd, A., Auckland

Kidd, Rev. R., LL.D., Auckland

\*Kirk, T., F.L.S., Christchurch

Kitt, T. W., Auckland.

Lamb, J., Auckland

Lanigan, Pierce "

Larkins, F., Remuera

Larkworthy, F., London

\*Leaf, C. J., F.L.S., F.G.S., London

Le Bailly, H. J., Devonport

Lee, W., M.D., Auckland

Lennox, J. M. "

\*Lennox, N. G. "

Leys, T. W.

Lindsay, J., C.E., Ngaruawahia

Lindesay, T., Onchunga

Lodder, W., Auckland

Luke, S., Otahuhu.

Maben, T., C.E., Auckland

MacElwaine, J., Newton

Macfarland, R. J., C.E., Ellerslie

Macfarlane, T., Auckland

Mackechnie, E. A. "

\*Mackelvie, J. T., London

Mackenzie, D. H., Auckland

Macky, T. "

MacLaughlin, W., Papatoitui

Maclean, E., Cambridge

Macmillan, C. C., Auckland

Mahoney, T.

Mair, Capt. G., F.L.S., Tauranga

Mair, R., Whangarei

Mair, Major W. G., Auckland

Martin, J., F.G.S. "

Masefield, T. T. "

Maunsell, Archdeacon W., Parnell

Mayo, J., Drury

\*Meinertzhagen, F. M., Napier

Melville, T., Auckland

McColl, J., Newmarket

McCullough, W., Auckland

# AIM Ann Report

## 1884 to 1885

McDowell, W. C., Auckland  
 McGregor, A., Auckland  
 McLaren, J., Thames  
 McLeod, D. J., Auckland  
 Mitford, G. M., Parnell  
 Moat, W. P., Mahurangi  
 Moody, T. P., Kawakawa  
 Moore, J. Murray, M.D., Auckland  
 Morton, H. B.                   "  
 Morrin, T.                   "  
 Monro, H. A. H., Parnell  
 Moss, F. H., M.H.R., Parnell  
 Mowbray, J. M., Parnell  
 Murdoch, D. L., Auckland  
 Murray, T. L., Thames.

Nathan, D., Auckland  
 Nathan, L. D.               "  
 Nathan, A. H.               "  
 Newman, J., Remuera  
 Nolan, D., Auckland  
 Northercroft, H. W., Hamilton

O'Rorke, Sir G. M., Auckland  
 O'Sullivan, R. J.               "  
 Owen, G. B.                   "

Palmer, W. J., Auckland  
 Parsons, E. B.               "  
 Paul, Rev. J. S., Onehunga  
 Peacock, T., M.H.R., Auckland  
 Pickering, J., Penrose  
 Pierce, G. P., Auckland  
 Plumley, E. A.               "  
 Pond, J. A.                   "  
 Purchas, Rev. A. G., M.R.C.S.E.,  
 Auckland.

Rattray, W., Auckland  
 Rawlings, M., Parnell  
 Reid, J., Auckland  
 Richmond, J.               "  
 Ring, C.                   "  
 Robertson, J.               "  
 Ross, J.                   "  
 Rose, R.                   "  
 Russell, Jas.               "  
 Russell, J. B.               "  
 \*Russell, T., London  
 Rye, Lewis, Otamatea

Sanders, C. W., Parnell  
 Saunders, A., Auckland  
 Shera, J. M.               "  
 Shrewsbury, A., Parnell  
 Sibbin, G., Auckland  
 Simpson, F., Whangarei  
 Sinclair, A., Auckland  
 Smales, Rev. G., East Tamaki  
 Smith, H. G. S., Auckland

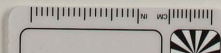
Smith, A., Auckland  
 Smith, S. P., F.R.G.S., Parnell  
 Steel, T., Auckland  
 Stewart, J., C.E., Auckland  
 Stewart, T. M., Melbourne  
 Stockwell, W., M.R.C.S.E., Auck-  
 land  
 Stodart, J., Ponsonby  
 Stodart, Mrs.               "  
 Stoddart, Mrs. General, Ponsonby  
 Stone, C. J., Auckland  
 Stone, C. B.               "  
 Street, C. H., Parnell  
 Street, F., Auckland.

Taylor, A. K., Mount Albert  
 Taylor, J., Auckland  
 Tebbs, Rev. Wm., Auckland  
 Thomas, Captain, Coromandel  
 Thomas, Professor A. P., F.L.S.,  
 Auckland  
 Thomson, Neil, Mahurangi  
 Thorne, W., Auckland  
 \*Tinne, H., Liverpool  
 Tinne, T. F. S., Auckland  
 Tucker, Professor T. G., Auckland.

Upton, J. H., Auckland  
 Urquhart, A. T., Karaka.  
 Vaile, S., Auckland  
 Vickers, S.               "

Waddell, W. R., Auckland  
 Wade, H. G.               "  
 Wallis, Rev. Dr.           "  
 Watkins, K., Devonport  
 Waymouth, J., Auckland  
 Webb, F. R.               "  
 Webster, J., Hokianga  
 Wells, T., Cambridge  
 \*Weetman, S., Auckland  
 Whitaker, E. H.           "  
 Whitaker, Sir F.           "  
 White, F. A.               "  
 Wilkinson, G. T.           "  
 Will, W.                   "  
 Williams, G. W., Remuera  
 Williams, Ven. Archdeacon W. L.,  
 Gisborne  
 Williamson, Hon. Jas., Auckland  
 Williamson, C.           "  
 Wilson, J. J., Whangarei  
 Wilson, J. L., Auckland  
 Wilson, W. S.               "  
 Winks, J., Parnell  
 \*Withy, E., Auckland  
 Worthington, H., Auckland  
 Wright, F. W., L.M.B., Toronto,  
 Parnell.

AIM Ann Report  
1884 to 1885





AIM Ann Report  
1884 to 1885

